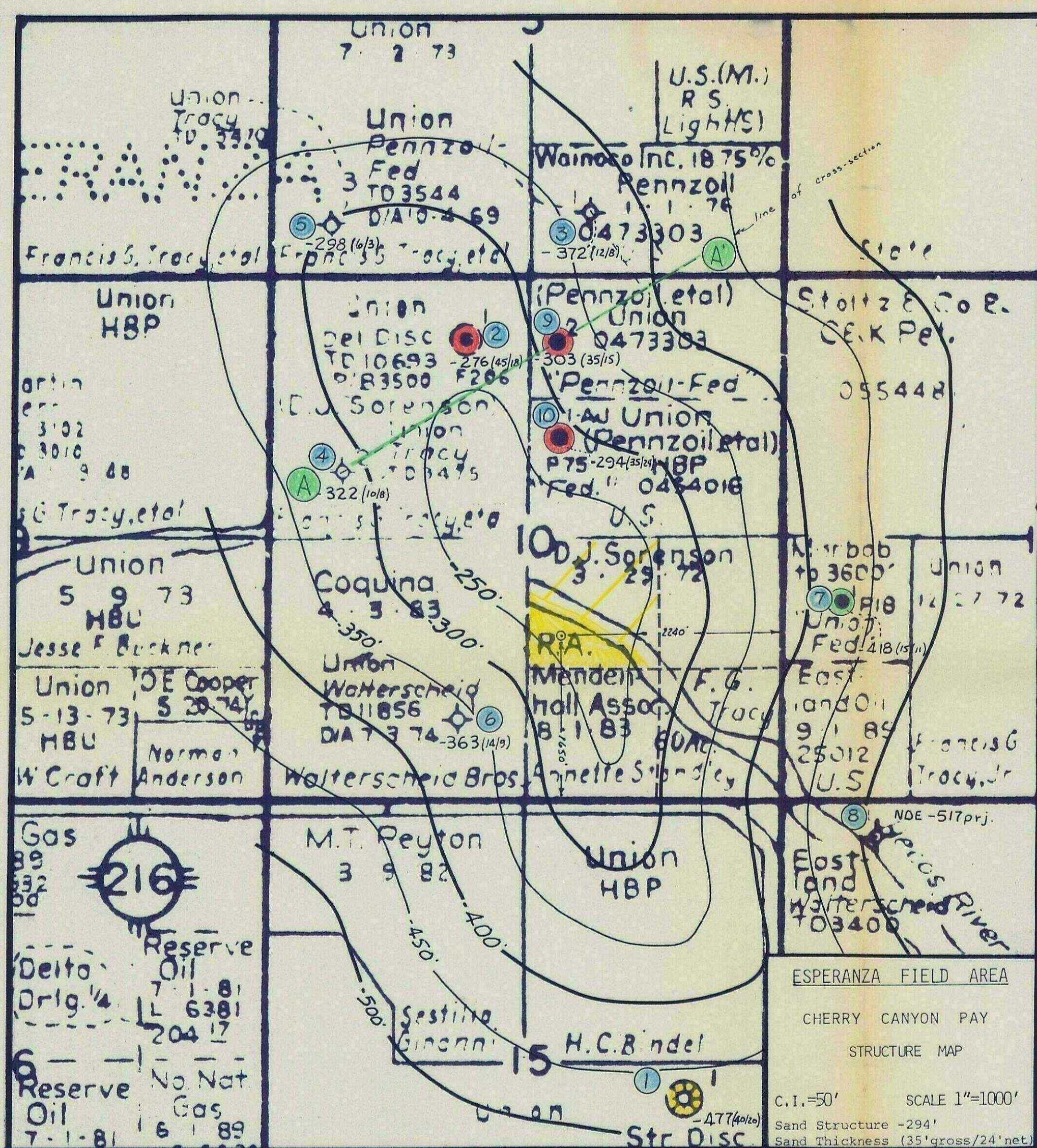
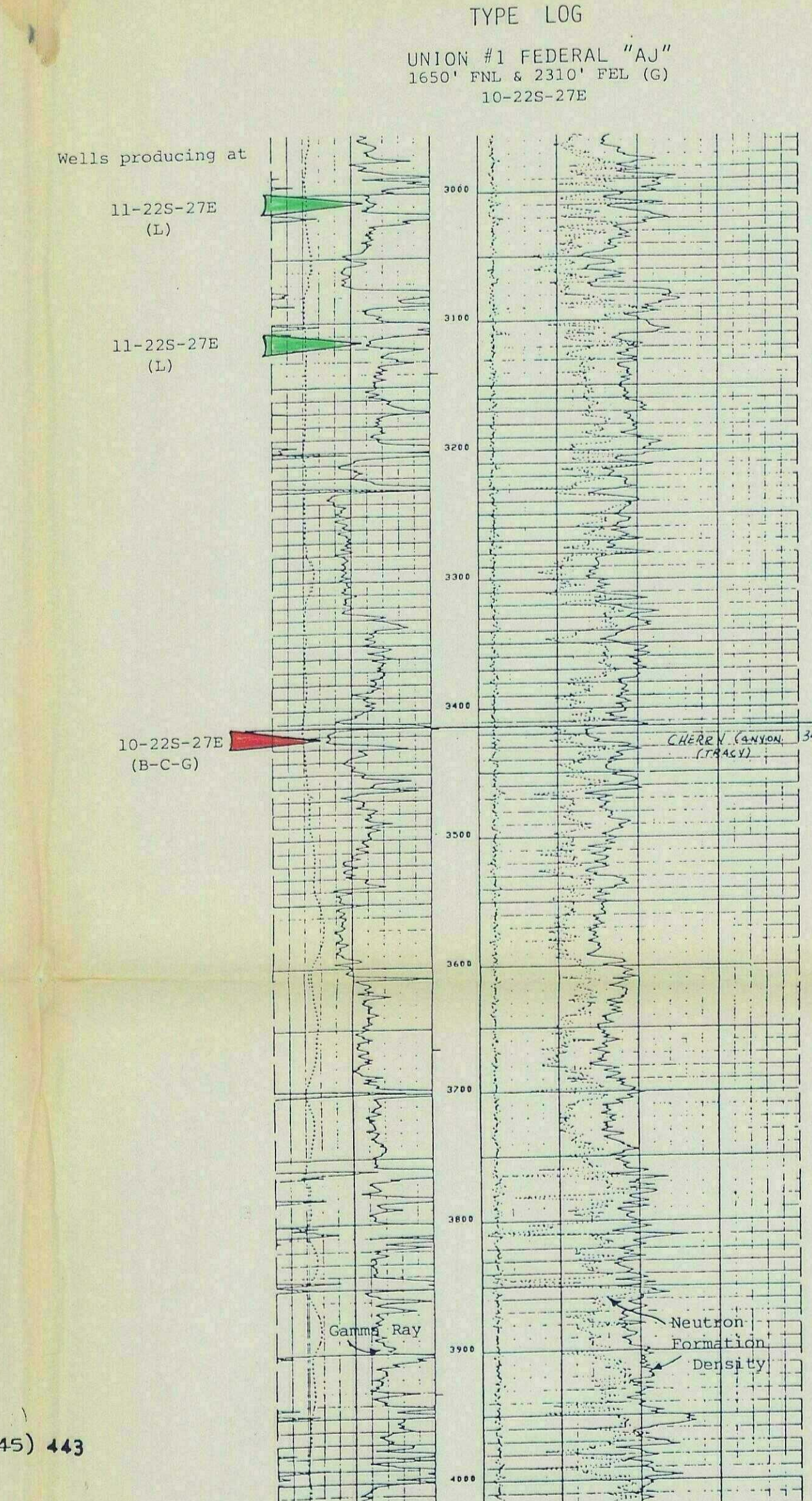
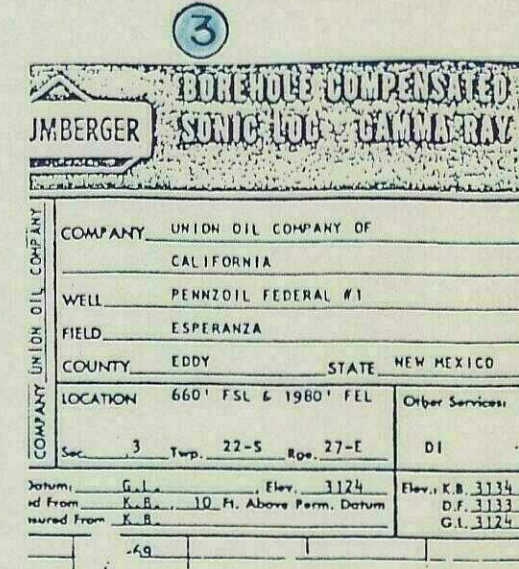
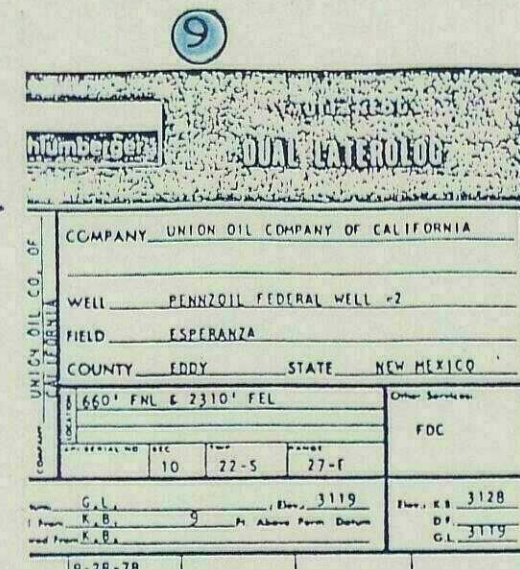
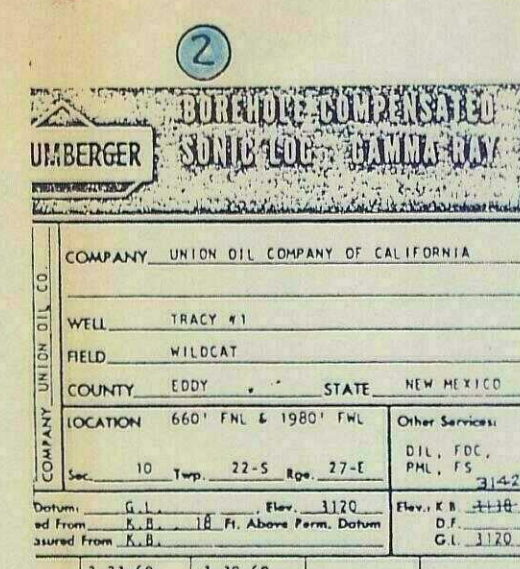
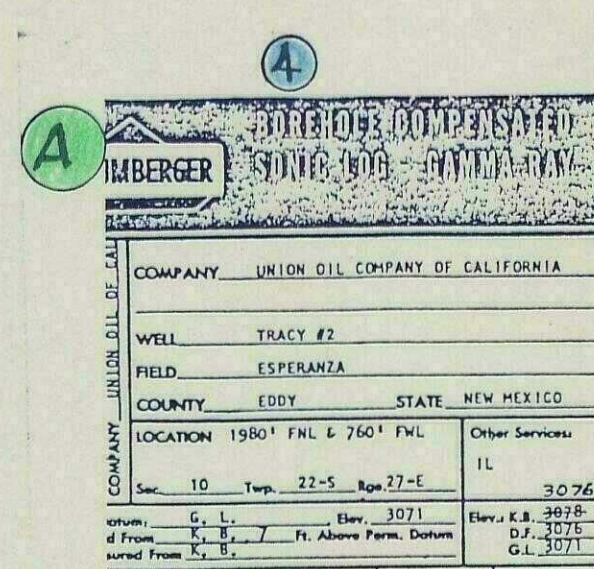
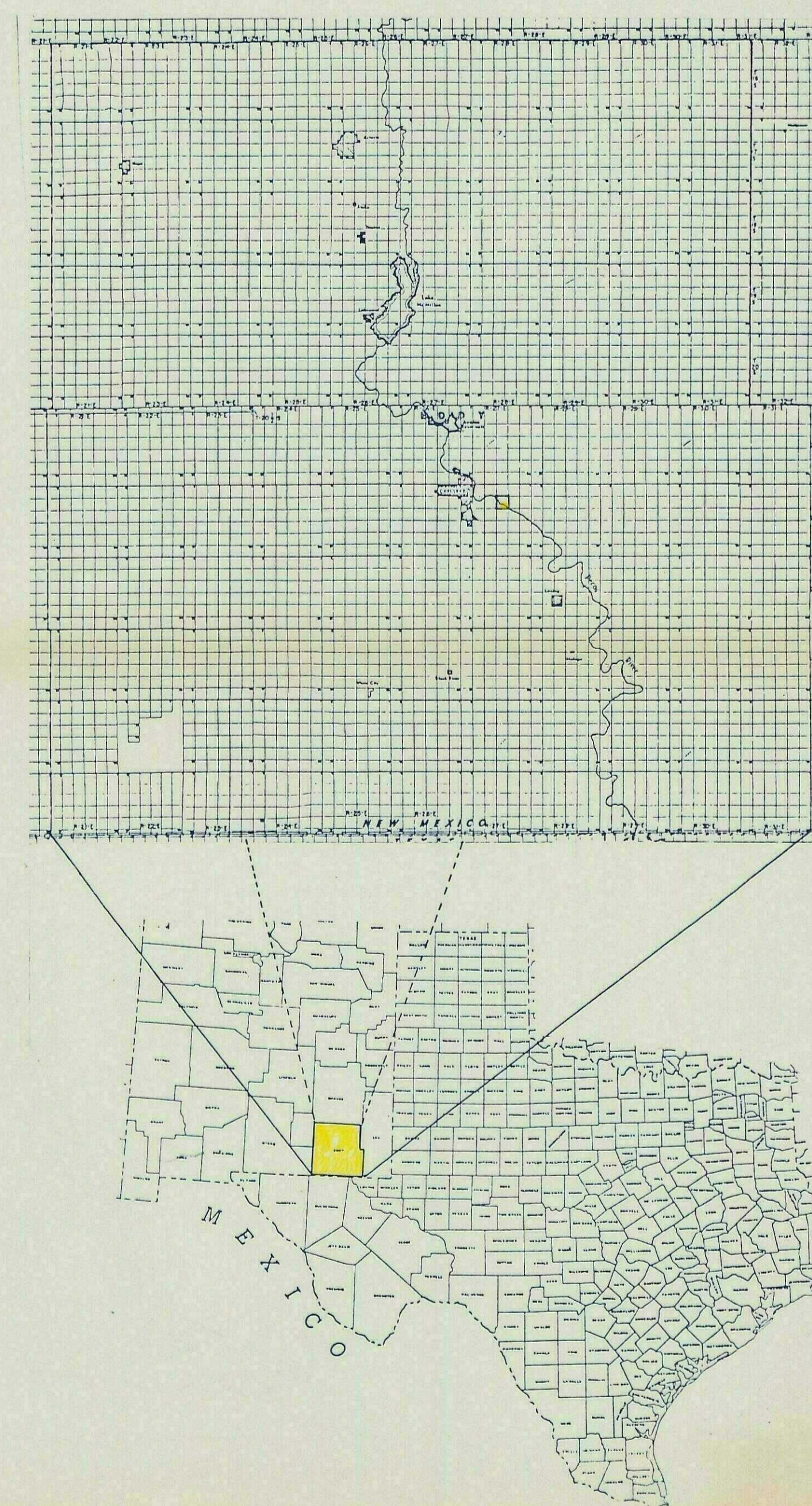




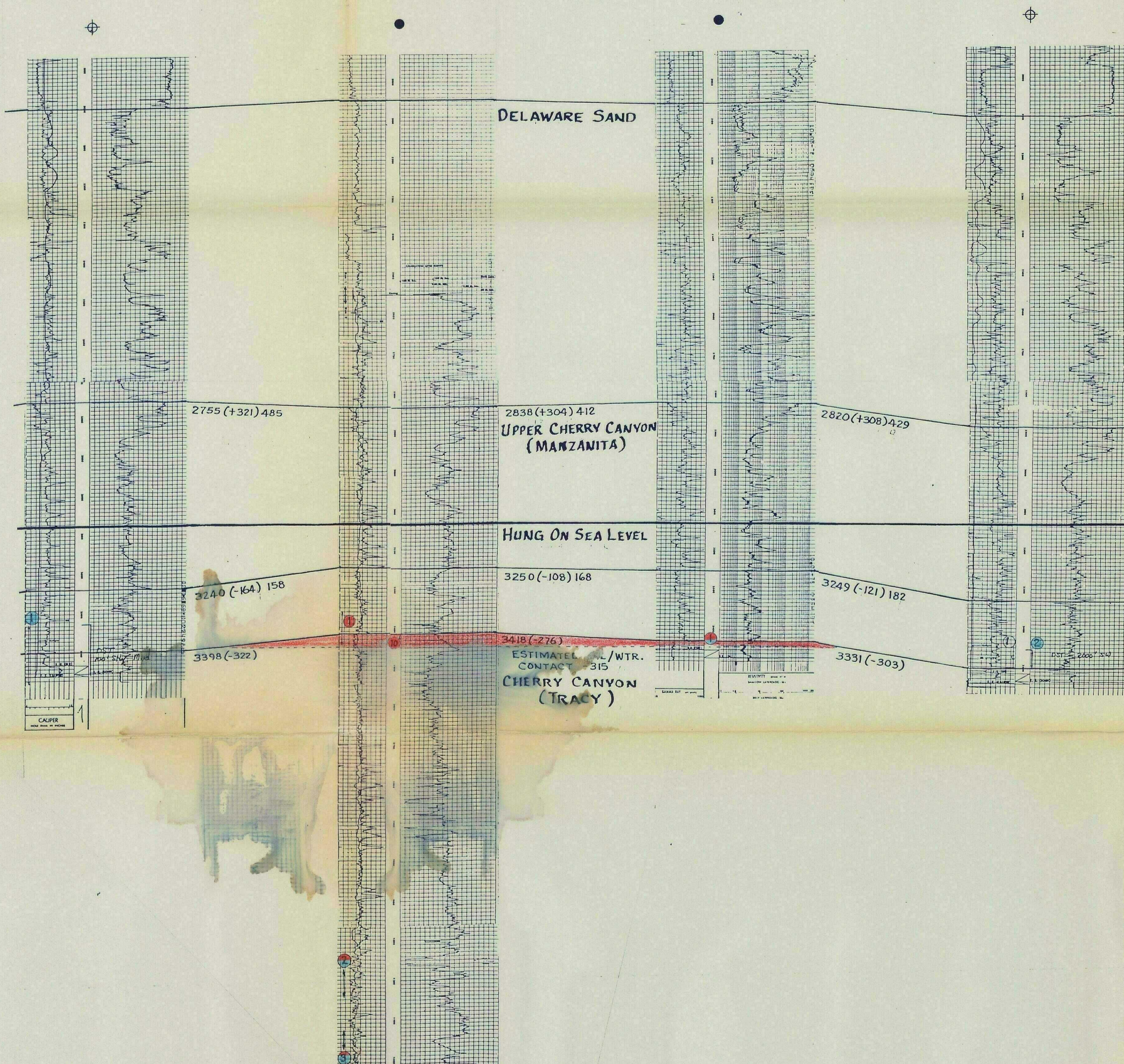
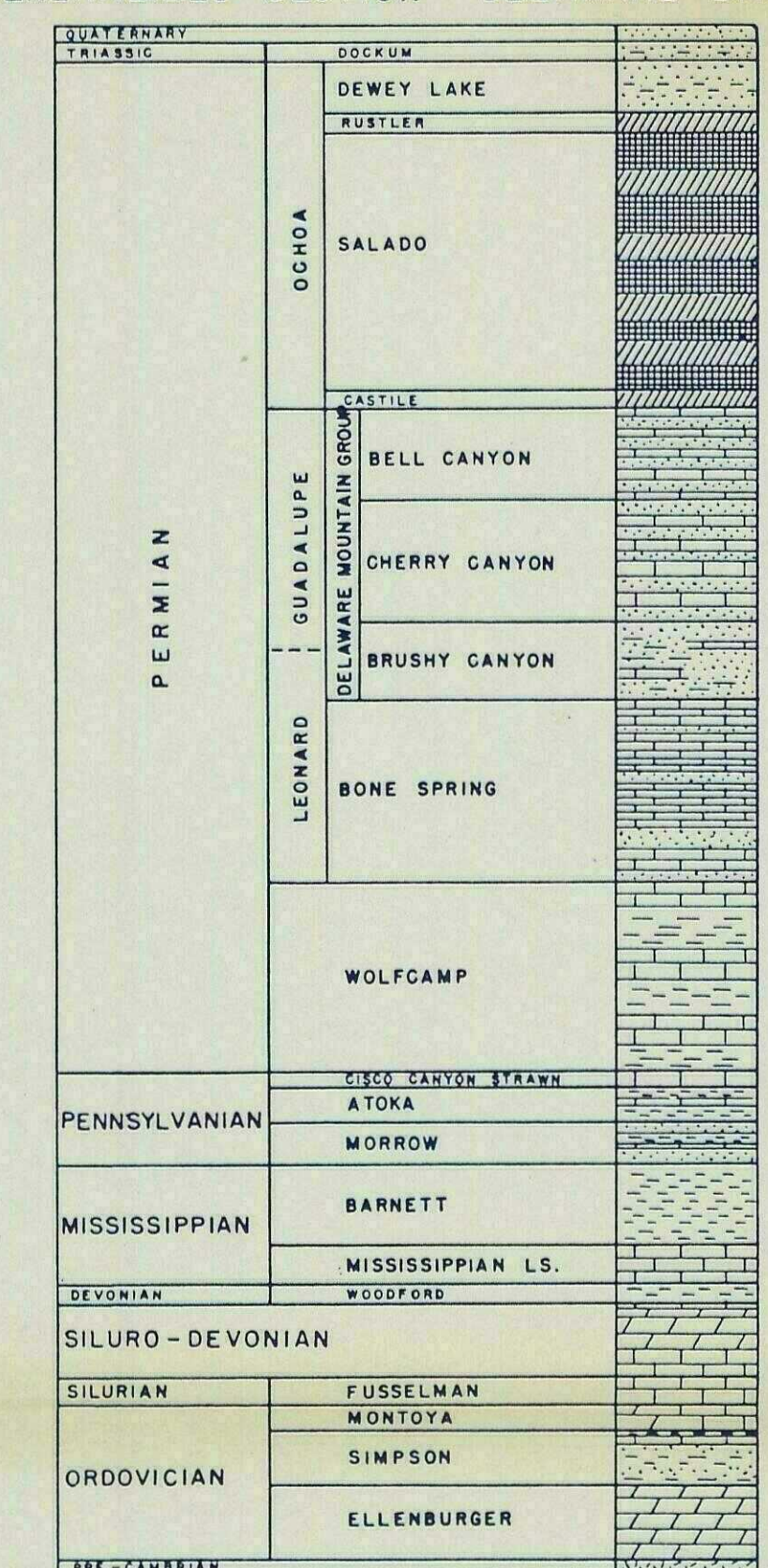
KEY WELL DATA SUPPORTING PROSPECT--LISTED BY DATE DRILLED

- ① UNION OIL OF CALIFORNIA #1 Forni Elev 3092' DF
1. DST 9625' (-6531') to 9710' (-6518'), Pennsylvania, Op 150 min, CTS 8 max rate 183,000 CFDP through 14" ch, Rec 3000' N & CMB w/tr dist on top + 280' HGM, 165 min ISIP 6250', PP 1439-1407, 240 min ISIP 6224.
 2. PERFORATIONS: 2/10,638' (-7546'), 10,657' (-7565') and 10,671' (-7579'), Strawn, A/1000, Swd 14 BAW/3 hrs, Swd 44 SW, BP 8 10,598' (-7506').
 3. PERFORATIONS: 2/10,525' (-7433'), 10,527' (-7435') and 10,530' (-7438'), Strawn, A/500, P/450 MCFDP, dec to 187 MCFDP + 239 SW/13 hrs through 14" ch, TD 1654, 64,000 gpm. Spd perf 10,525' to 10,530' w/100 ex. BP 8 10,300' (-7208').
 4. PERFORATIONS: 2/ OA 9928' (-6836') to 9946' (-6854'), Pennsylvanian, A/350, Swd 55 Cals NW, 10 hr STP SW, A/1000.
 5. PERFORATIONS: 2/ OA 9656' (-6564') to 9821' (-6729'), Pennsylvanian, A/15,000, 9656'-9946', IP CMB 1,600 MCFDP, GOR 34,480, GY 72, 4/6/67, Produced 329,676 MCF to 6-1-81.
 6. TD 10,765' (-7673').
 7. CASING: 11-3/4" set at 120' (+2772') w/350 ex, 8-5/8" set at 2568' (-524') w/320 ex and 5" set at 10,764' (-7672') w/400 ex.
- ② UNION OIL OF CALIFORNIA #1 Tracy Elev 3142' DF
1. DST 3360' (-218') to 3447' (-1305'), Cherry Canyon, Op 60 min, CTS 6 min, tstm CTS 50 min, Filed by head, Rev out 33 BQ, GY 39, Sample Chamber: 3600 cc Oil + 1.2 CPG, 60 min ISIP 1620W, PP 7034-10024, 120 min ISIP 1620W.
 2. DST 4286' (-1144') to 4330' (-1188'), Cherry Canyon, Op 60 min, Rec 95' Oil, GY 39 + 80' Wtr (112,000 gpm), 60 min ISIP 1628W, PP 464-618, 120 min ISIP 1580W.
 3. DST 4434' (-1292') to 4471' (-1329'), Cherry Canyon, Op 120 min, Rec 120' W w/tr oil, 60 min ISIP 1675W, PP 244-724, 120 min ISIP 1699W.
 4. DST 10,232' (-7090') to 10,280' (-7138'), Strawn, Op 60 min, CTS/12 min, STP, Rec 2000' GOR + 158' CMB w/tr cond, 30 min ISIP 4818W, PP 8894-9004, 90 min ISIP 4818W.
 5. DST 10,327' (-7185') to 10,371' (-7229'), Strawn, Op 60 min, Rec 1 Cal GOR, 45 min ISIP 186W, PP 464-464, 105 min ISIP 327W.
 6. SP DST 9520' (-6378') to 9710' (-6568'), Pennsylvania, Op 90 min, CTS 16 min 8 154 MCFP due to 58 MCFP 9 end of test, Rec 303' GCM, 60 min ISIP 2473W, PP 734-994, 180 min ISIP 561W.
 7. SP DST 10,338' (-7196') to 10,500' (-7358'), Strawn, Op 145 min, CTS 13 min 8 125 MCFP inc to 476 MCFP, pkrs failed, Rec 1265' GCM, 60 min ISIP 5464W, PP 3824-4204, 180 min ISIP 5375W.
 8. PERFORATIONS: OA 10,244' (-7102') to 10,447' (-7305'), Strawn, A/500 (10,404' (-7262') to 10,447' (-7305')), Flwd 288 MCFP + 2 BWH on 3/4" ch, PP 1504, A/500 (10,244' (-7102') to 10,270' (-7128')), Swd 57 BL & XW/7 hrs w/3 cond. (10,244-10,270') Flwd 285 MCFP + 11 BW w/tr cond on 3/4" ch, PP 504, RE/A 10,244' - 10,447' w/25,000, Flwd 138 MCFP + 13 BF on 3/4" ch/11 hrs. STP 2550W.
 9. PERFORATIONS: 2/ OA 9786' (-6644') to 9845' (-6703'), Pennsylvanian, A/6000, Flwd 87 BL/3 hrs on 3/4" ch, Swd dry. PERFORATIONS: 2/ OA 9567' (-6425') to 9745' (-6603'), A/9567' to 9845' w/6000.
 10. PERFORATIONS: 1/3417' (-275'), 3420' (-278') and 3424' (-282'), Cherry Canyon, A/1500, ST/3500 + 2500W, Flwd 119 BQ/14 hrs on 12/64" ch, PP 2904, IP 200 BQ, GY 36, GOR 180, 8/4/69, Produced 353,460 BQ to 6-1-81.
 11. TD 10,693' (-7551').
 12. CASING: 13-3/8" set at 525' (+2617') w/450 ex, 9-5/8" set at 2550' (+552') w/500 ex and 4" set at 10,693' (-7551') w/ 900 ex.

- ③ UNION OIL OF CALIFORNIA #1 Pennsill Federal Elev 3133' DF
1. CMB 3449' (-316') to 3500' (-367'), Cherry Canyon, Rec 51' Line, Sandy Shale, NS.
 2. DST 3452' (-319') to 3501' (-368'), Cherry Canyon, Op 75 min, Rec 2000' W + 135' WCM, 60 min ISIP 1706W, PP 4634-10718, 120 min ISIP 1680W.
 3. P & A 10-4-69, TD 3536' (-403').
 4. CASING: 8-5/8" set at 540' (+2536') w/200 ex.
- ④ UNION OIL OF CALIFORNIA #2 Tracy Elev 3076' DF
1. DST 3325' (-249') to 3475' (-399'), Cherry Canyon, Op 120 min, Rec 100' Xly DP, PP 1154-1384, 120 min ISIP 1733W.
 2. P & A 12-13-69, TD 3475' (-399').
 3. CASING: 8-5/8" set at 540' (+2536') w/200 ex.
- ⑤ UNION OIL OF CALIFORNIA #3 Tracy Elev 3107' DF
1. DST 3340' (-233') to 3390' (-283'), Cherry Canyon, Op 60 min, Rec 84' Wtr + 32' MCF, 60 min ISIP 1542W, PP 424-634, 120 min ISIP 1542W.
 2. P & A 9-26-70, TD 3470' (-363').
 3. CASING: 8-5/8" set at 551' (+2556') w/200 ex.
- ⑥ UNION OIL OF CALIFORNIA #1 Walterscheid Com. Elev 3087' DF
1. PERFORATIONS: 34 Shots OA 11,433' (-8346') to 11,808' (-8721'), Morrow, A/800, Swd dry; Rec/6000, Swd dry. BP 8 11,000' (-7913').
 2. PERFORATIONS: 35 Shots OA 10,424' (-7337') to 10,458' (-7371'), Morrow, A/3500, Flwd 1500 MCFDP dec to 100 MCFDP/4 hrs and died. RE-PERFORATED: 15/10,424' (-7337') to 10,438' (-7351') and PERFORATED 9/10,404' (-7317') to 10,412' (-7325'), A/20,000 10,404' to 10,458'. Flwd 6000 MCFDP dec to 82 MCFDP/11 hrs through 3/4" ch; WF 40,000 x 40,000 11,433' (-8346') to 11,808' (-8721'), Morrow, Flwd 69 MCFDP; PERFORATED 12/10,984' (-7897') to 10,990' (-7903'), A/210, Flwd 70 MCFDP.
 3. P & A 7-2-74, TD 11,856' (-8769').
 4. CASING: 13-3/8" set at 430' (+2657') w/550 ex, 9-5/8" set at 5368' (-2281') w/2100 ex and 7" set at 11,856' (-8769') w/1000 ex.
- ⑦ THE EASTLAND OIL COMPANY #1 Union Federal Elev 3112' DF
1. SWC: 2465' (+647'), 2475' (+637'), 2840' (+272'), 2846' (+266'), 3091' (+21'), 3110' (+2'), 3204' (-92'), 3221' (-109'), 3423' (-111'), 3522' (-410') and 3555' (-443'), Rec Sand w/Show of Oil.
 2. PERFORATIONS: 7/3203' (-51') to 3209' (-57'), Cherry Canyon, A/500, PERFORATIONS: 8/3091' (+21') to 3098' (+14'), A/1000; IPF 3091' to 3209' 1B BQ + 28 BWD, GY 33.2, GOR 222, 10-19-76. Produced 1636 BQ from 10-76 to 9/1/80.
 3. TD 3600' (-485').
 4. CASING: 8-5/8" set at 421' (+2691') w/200 ex and 4" set at 3298' (-106') w/600 ex.
- ⑧ THE EASTLAND OIL COMPANY #1 E. J. Walterscheid Elev 3090' DF
1. SWC: 62/2791' (+299') to 3296' (-206'), Cherry Canyon, No Data.
 2. P & A 10-9-76, TD 3400' (-310').
 3. CASING: 8-5/8" set at 413' (+2677') w/200 ex.
- ⑨ UNION OIL OF CALIFORNIA #2 Pennsill Federal Elev 3128' DF
1. PERFORATIONS: 2 8 9484' (-106'), Cherry Canyon, A/250, IPF 95 BQ + 3 BWD, GY 38.5, GOR 131, 10-25-76. Produced 50,131 BQ to 6-1-81.
 2. TD 3510' (-392').
 3. CASING: 8-5/8" set at 458' (+2670') w/300 ex and 4" set at 3504' (-376') w/200 ex.
- ⑩ UNION OIL OF CALIFORNIA #1 Federal "A.J." Elev 3120' DF
1. DST 4253' (-1133') to 4393' (-1271'), Cherry Canyon, Op 75 min, Rec 819' DM w/ Tr Oil, 60 min ISIP 1974W, PP 669-1299W, 240 min ISIP 1974W, HP 2233-2222W.
 2. PERFORATIONS: 8 3417' (-297') & 3420' (-300'), A/1500.
 3. COMPLETION: 3417' (-297') to 3420' (-300'), Cherry Canyon, IEP 75 BQ + 5 BW/24 hrs, GOR 107 CF/B, GY 41.5, 11-7-80, Produced 10,226 BQ to 6-1-81.
 4. TD 4500' (-1380'), PERD 4454' (-1334').
 5. CASING: 8-5/8" set at 475' (+2645') w/ 350 ex and 5" set at 4500' (-1380') w/400 ex.



GENERALIZED SECTION - DELAWARE BASIN



- LEGEND
- PRODUCING WELLS
 - CHERRY CANYON (UPPER)
 - CHERRY CANYON (LOWER)
 - PENNSYLVANIAN
 - ◇ DRY HOLE
 - NOTE: WELL NOT DEEP ENOUGH
 - LOCATION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 734-2 Exhibit No. 1
Submitted by MEMORANDUM
Hearing Date 9-27-81

(EXHIBIT 1 of 4)
~ MONTAGE ~
ESPERANZA FIELD
Eddy County, New Mexico
R.A. MENDENHALL ASSOCIATES LTD.
Midland, Texas
915-683-5335